SWEDEN

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Source: https://www.industrydocuments.ucsf.edu/docs/jfwk0000

Standards Obtained/Consulted Thus Far:

BFS 1988:18 Ch. 4:1 National Swedish Board of Physical Planning and Building. Nybyggnadsregler, Air Exchange.

SS-ISO 8760

Workplace air. Determination of mass concentration of carbon monoxide. Method using detector tubes for short-term sampling with direct indication.

SS-ISO 8761

Workplace air. Determination of mass concentration of nitrogen dioxide. Method using detector tubes for short-term sampling with direct indication.

SS-ISO 8762

Workplace air. Determination of vinyl chloride. Charcoal tube/gaschromatographic method.

SS 02 84 14

Workplace atmosphere. Formaldehyde content in air. Calorimetric method.

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Standards Obtained/Consulted Thus Far: (Cont.)

SS 02 84 15

Workplace atmosphere. Nitrogen dioxide content in air. Calometric method.

SS 02 84 16

Workplace atmosphere. Acrolein content in air. Calometric method.

SS 02 84 18

Workplace atmosphere. Counting criteria for asbestos fibres.

Nordic Building Regulations 1989 (Preliminary)

[Note: Further indoor air quality guidelines have been prepared by the Swedish Indoor Climate Institute and published for voluntary use in Scandinavia by the Federation of Scandinavian HVAC-Organizations. This document references the latest ASHRAE standard 62-1989, as well as a number of

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international standards. The Indoor Climate Institute is working on producing standards, which they expect to be finished in September.]

Workplace Exposure Limits (Source: ILO/CIS data base 1991)

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Key Indoor Ventilation Standards:

-- BFS 1988:18 Ch.4:1. Air Exchange Regulations:

Offices:	5.0 l/s per person
Where smoking is permitted:	10.0 l/s per person
Dwellings:	0.4 l/s - 15.0 l/s per person

-- Nordic Building Regulations 1989 (Preliminary):

10 l/s per person in non-smoking areas;

20 l/s per person in smoking areas.

[See attachment from AIVC Technical Note 30 (Sept. 1990) further describing Danish ventilating standards.]

[See attached Consultant's Report.]

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Key Workplace Exposure Limits:

Source: ILO CIS Data Base 1991:

Chemical	Exposure Limit
Carbon Dioxide	16 mg/m^3
Ammonia	18 mg/m^3
Formaldehyde	0.6 mg/m^3
Oxides of Nitrogen	NO_2 4 mg/m^3, NO^2 30 mg/m^3
Benzene	3 mg/m^3
Sulphur Dioxide	5 mg/m^3
Benzo[a]pyrene	0.005 mg/m^3

[No standards listed for nicotine]

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Ongoing Research on IAQ Issues:

TITLE: Demand Controlled Ventilating Systems

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SPECIFIC OBJECTIVES:

To develop guidelines for demand controlled ventilation systems based on a state-of-the-art review and case studies to be used in different types of domestic, office and school buildings.

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